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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Marcel P. Breton et al.

Group Art Unit: not yet assigned

Application No.: not yet assigned

Examiner: not yet assigned

Filed: concurrently herewith

Costomes No. 25453

For: ALKYLATED UREA AND TRIAMINOTRIAZINE COMPOUNDS AND PHASE CHANGE INKS CONTAINING SAME

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) and information listed on the attached PTO-1449 Form. One legible copy of each is attached to the PTO-1449 Form, except for U.S. Patents or published U.S. applications. It is respectfully requested that the references and information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

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\boxtimes	1.	This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of the above application (which is not a CPA), OR (b) before the mailing date of a first Office Action on the merits. No certification or fee is required.
	2.	This Information Disclosure Statement is being filed <u>more than three months</u> after the U.S. filing date AND <u>after</u> the date of the first Office Action on the merits, but <u>before</u> the mailing date of a Final Rejection, Notice of Allowance, or other action that closes prosecution. Please debit Xerox Corporation Deposit Account 24-0025 in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). (A copy of this paper is attached.)
	3.	This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance; AND a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1); (OR)

Application No. not yet assigned

	b. I hereby certify that <u>no</u> item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c), <u>more than three months</u> prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2)
4.	This Information Disclosure Statement is being filed <u>after</u> the mailing date of a Final Rejection or Notice of Allowance, but <u>before</u> the payment of the Issue Fee. Please debit Xerox Corporation Deposit Account 24-0025 in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p) (A copy of this paper is attached); AND
	 a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1); (OR) b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2)
5.	Per 37 C.F.R. 1.98(a)(3), a concise explanation of the relevance of each of any submitted item that is NOT in the English language is either enclosed herewith, or incorporated in the application specification.
6.	A copy of an English language version of an above-referenced counterpart foreign application search report is attached.
7.	Copies of some or all of the subject references were cited by, or submitted to the Office in related parent Application No. 10/235,109, filed 9/4/2002, which is relied upon under 35 U.S.C. §120. Thus, copies of these references are not attached (except for copies of cited pending applications). 37 C.F.R. §1.98(d).
<u>8</u> .	A copy of each copending application recited in the parent application of paragraph 7 above, and/or a copy of other related copending applications, is enclosed.

Signature under 37 CFR 1.33 & 34 Registration No. 32,606

Telephone No. 585.423.4564

Date 03/25/2004

Sheet 1 of 1									
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Sheet 4 of 5 APPLICATION NO. ATTY DOCKET NO. US Dept. of Commerce Form PTO-1449 PATENT & TRADEMARK OFFICE D/A2177 10/235.109 INFORMATION DISCLOSURE STATEMENT APPLICANT Marcel P. Breton et al. (Use several sheets if necessary) FILING DATE **GROUP ART UNIT 2861** 9/4/2002 OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.) G. CLAVIER ET AL., "Remarkably Simple Small Organogelators: Di-n-alkoxy-benzene Derivatives," Tetrahedron Letters, 40, 9021-9024 (1999) G. MIEDEN-GUNDERT ET AL., "Rational Design of Low Molecular Mass Organogelators: Toward a Library of Functional N-Acyl-1-ω-Amino Acid Derivatives," Angew. Chem. Int. Ed., 40, No. 17, 3164-3166 (2001)J-L. POZZO ET AL., "Rational Design of New Acid-Sensitive Organogelators," J. Mater. Chem., Vol. 8, pp. 2575-2577 (1998) J. T. THURSTON ET AL., "Cyanuric Chloride Derivatives. I. Aminochloro-s-triazines," J. Am. Chem. Soc., Vol. 73, pp. 2981-3008 (1951) HUCKIN ET AL., "Alkylation of Dianions of β-Keto Esters," J. Am. Chem. Soc., Vol. 96, pp. 1082-1087 U-L. Pozzo et al., Tetrahedron, Vol. 53, No. 18, pp. 6377-6390 (1997) J-L. POZZO ET AL., "Photochromic Guests in Organogels," Mol. Cryst. Liq. Cryst., Vol. 344, pp. 101-106 Y.C. LIN ET AL., Macromolecules, Vol. 20, p. 414 (1987) MURATA ET AL, "Thermal and Light Control of the Sol-Gel Phase Transition in Cholesterol-Based Organic Gels. Novel Helical Aggregation Modes as Detected by Circular Dichroism and Electron Microscopic Observation," J. Am. Chem. Soc., Vol. 116, No 15, pp. 6664-6676 (1994) A. IKEDA ET Al., Rep. Asahi Glass Found Ind. Technol., Vol. 61, p. 115, (1992) *** RABOLT ET AL., Macromolecules, Vol. 17, p. 2786 (1984) D.J. ABDALLAH ET AL., Chem. Mater., Vol. 11, p. 2907 (1999) RALSTON ET AL., J. Org. Chem., Vol. 9, p. 259 (1944) *** L. LU ET AL., "New lyotrophic Phases (thermally-reversible organogels) of simple tertiary amines and related tertiary and quaternary ammonium halide salts," Chem. Commun., 1996, p. 2029 J. PRAKT. Chem., Vol. 327 (3), pp. 383-98 (1985) *** B.L. FERINGA ET AL., J. Org. Chem., Vol. 53, p. 1125 (1988) J.C. DEJONG ET AL., Tetrahedron Lett. Vol. 30: p. 7239 (1989) J.C. DEJONG, Ph.D. thesis, University of Groningen, The Netherlands, 1991 F.A. NEUGEBAUER ET AL., Chem. Ber., 1976, 109, 2389 U. ZEHAVI ET AL., :The Reactions of Carbobenzoxyamino Acid Amides with Carbonyl Compounds, " J. Org. Chem., Vol. 26, pp. 1097-1101 (1961) J. MARCH, Advanced Organic Chemistry, 4th Edition, pp. 903 and 1091-1092, Wiley Interscience (New J. CROSSLEY MAXWELL: Aust. J. Chem., Vol. 47, pp. 723-738 (1994) V.J. WOTRING ET AL., Analytical Chemistry, Vol. 62, No. 14, pp. 1506-1510 (1990) *** TABUSHI ET AL., Lipophilic Diammonium Cation Having a Rigid Structure Complementary to Pyrophosphate Dianions of Nucleotides. Selective Extraction and Transport of Nucleotides," J. Am.

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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

APPLICANT Marcel P. Breton et al.

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APPLICATION NO. 10/235,109

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Copending Application U.S. Serial No. (not yet assigned; Attorney Docket No. D/A1722), filed concurrently herewith, entitled "Alkylated Tetrakis(triaminotriazine) Compounds and Phase Change Inks Containing Same," by DANIELLE C. BOILS-BOISSIER et al.

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EXAMINER

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Form PTO-1449 Dept. of Commerce ATTY DOCKET NO. APPLICATION NO. PATENT & TRADEMARK OFFICE D/A2177 10/235,109 INFORMATION DISCLOSURE STATEMENT **APPLICANT** (Use several sheets if necessary) Marcel P. Breton et al. FILING DATE **GROUP ART UNIT 2861** 9/4/2002 OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.) R. DAGANI, "Supramolecular Polymers," Chemical and Engineering News, p. 4 (December 1997) J.H.K. HIRSCHBERG ET AL., "Supramolecular Polymers from Linear Telechelic Siloxanes with Quadruple-Hydrogen-Bonded Units," Macromolecules, Vol. 32, p. 2696 (1999) A.C. GRIFFIN ET AL., "Design and Synthesis of 'Smart' Supramolecular Liquid Crystalline Polymers via Hydrogen-Bond Associations," PMSE Proceedings, Vol. 72, p. 172 (1995) ANDREW J. CARR ET AL., "The Design of Organic Gelators: Solution and Solid State Properties of a Family of Bis-Ureas," <u>Tetrahedron Letters</u>, Vol. 39, p. 7447 (1998) RONALD F.M. LANGE ET AL., "Hydrogen-Bonded Supramolecular Polymer Networks," Journal of Polymer Science, Part A: Polymer Chemistry, Vol. 37, p. 3657 (1999) ARNO KRAFT ET AL., "Combining Self-Assembly and Self-Association -- Towards Columnar Supramolecular Structures in Solution and in Liquid-Crystalline Mesophase," Polym. Mater. Sci. Eng., Vol. 80, p. 18 (1999) Y. YUASA ET AL., "Facile Synthesis of β-Keto Esters from Methyl Acetoacetate and Acid Chloride: The Barium Oxide/Methanol System, "Organic Process Research and Development, Vol. 2, p. 412 (1998) F. HOOGESTEGER ET AL., "Self-Complementary Hydrogen Bonding of 1,1'-Bicyclohexylidene-4,4'dione Dioxime. Formation of a Non-Covalent Polymer," Tetrahedron, Vol. 52, No. 5, p. 1773 (1996) X. WANG ET AL., "Molecular Tectonics. Three-Dimensional Organic Networks with Zeolite Properties," J. Am. Chem. Soc., Vol. 116, p. 12119 (1994) J. H. K. KY HIRSCHBERG ET AL., "Helical Self-Assembled Polymers from Cooperative Stacking of Hydrogen-Bonded Pairs," Nature, Vol. 407, p. 167 (2000) ABDULLAH ZAFAR ET AL., "New Supramolecular Arrays based on Interactions between Carboxylate and Urea Groups: Solid-State and Solution Behavior," New J. Chem., 1998, 137-141 J-L. POZZO ET AL., "The Unusual Molecular Organization of 2,3-Bis(n-hexyloxy)-anthracene in the Crystal. A Hint to the Origin of the Gelifying Properties of 2,3-Bis(n-alkyloxy)anthracenes?", J. Chem. Soc., Perkin Trans., 2, 824-826 (2001) D. ABDALLAH ET AL., "The Quest for the Simplest Possible Organogelators and Some Properties of their Organogels, " J. Braz. Chem. Soc., Vol. 11, No. 3, 209-218 (2000) F. PLACIN ET AL., "Organogel Electrolytes Based on a Low Molecular Weight Gelator: 2,3-Bis(ndecyloxy)anthracene," Chem. Mater. 13, 117-121 (2001) J. JUNG ET AL., "Novel Vesicular Aggregates of Crown-Appended Cholesterol Derivatives Which Act as Gelators of Organic Solvents and as Templates for Silica Transcription," J. Am. Chem. Soc., Vol. 122, No. 36, 8648-8653 (2000) D. ABDALLAH ET AL., "n-Alkanes Gel n-Alkanes (and Many Other Organic Liquids), "Langmuir, 16, 352-355 (2000) P. TERECH ET AL., "Low Molecular Mass Gelators of Organic Liquids and the Properties of their Gels," Chem. Rev., 97, 3133-3159 (1997) D. ABDALLAH ET AL., "Organogels and Low Molecular Mass Organic Gelators," Adv. Mater., 12, No. 17, 1237 (2000) F. SCHOONBEEK, "Making it All Stick Together: the Gelation of Organic Liquids by Small Organic Molecules," Doctoral Thesis, U. of Groningen, Netherlands, April 2001 TWIEG ET AL., "Observations of a "Gel" Phase in Binary Mixtures of Semifluorinated n-Alkanes with Hydrocarbon Liquids," Macromolecules, Vol. 18, p. 1361 (1985) M.F. SHOSTAKOVSKII ET AL., "Synthesis and Reactions of Polyhydric Alcohols I. Synthesis and Reactions of p-Toluenesulfonates of Polyhydric Alcohols," Zhurnal Obshchei Khimii, Vol. 35, No. 5, p. 804-807 (1965) J. ASHLEY ET AL., "The Chemotherapy of Schistosomiasis. Part I. Derivatives and Analogs of αω-Di-(paminophenoxy)alkanes," J. Chem. Soc. 1958, 3293

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GROUP ART UNIT 2861

Form PTO-1449 US Dept. of Commerce ATTY DOCKET NO. PATENT & TRADEMARK OFFICE D/A2177 INFORMATION DISCLOSURE STATEMENT **APPLICANT** (Use several sheets if necessary) Marcel P. Breton et al. FILING DATE 9/4/2002 OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.) G. CLAVIER ET AL., "Remarkably Simple Small Organogelators: Di-n-alkoxy-benzene Derivatives," Tetrahedron Letters, 40, 9021-9024 (1999) G. MIEDEN-GUNDERT ET AL., "Rational Design of Low Molecular Mass Organogelators: Toward a Library of Functional N-Acyl-1-ω-Amino Acid Derivatives," Angew. Chem. Int. Ed., 40, No. 17, 3164-3166 J-L. POZZO ET AL., "Rational Design of New Acid-Sensitive Organogelators," J. Mater. Chem., Vol. 8, pp. 2575-2577 (1998) J. T. THURSTON ET AL., "Cyanuric Chloride Derivatives. I. Aminochloro-s-triazines," J. Am. Chem. Soc., Vol. 73, pp. 2981-3008 (1951) HUCKIN ET AL., "Alkylation of Dianions of β-Keto Esters," J. Am. Chem. Soc., Vol. 96, pp. 1082-1087 (1974)J-L. Pozzo et al., Tetrahedron, Vol. 53, No. 18, pp. 6377-6390 (1997) *** J-L. POZZO ET AL., "Photochromic Guests in Organogels," Mol. Cryst. Lig. Cryst., Vol. 344, pp. 101-106 (2000)Y.C. LIN ET AL., Macromolecules, Vol. 20, p. 414 (1987) MURATA ET AL, "Thermal and Light Control of the Sol-Gel Phase Transition in Cholesterol-Based Organic Gels. Novel Helical Aggregation Modes as Detected by Circular Dichroism and Electron Microscopic Observation," J. Am. Chem. Soc., Vol. 116, No 15, pp. 6664-6676 (1994) A. IKEDA ET AL., Rep. Asahi Glass Found. Ind. Technol., Vol. 61, p. 115, (1992) *** RABOLT ET AL., Macromolecules, Vol. 17, p. 2786 (1984) D.J. ABDALLAH ET AL., Chem. Mater., Vol. 11, p. 2907 (1999) *** RALSTON ET AL., J. Org. Chem., Vol. 9, p. 259 (1944) *** L. LU ET AL., "New lyotrophic Phases (thermally-reversible organogels) of simple tertiary amines and related tertiary and quaternary ammonium halide salts," Chem. Commun., 1996, p. 2029

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